TZTR-5a-xxc Series

All-in-One Advanced
AP/PtP/CPE Model

Tranzeo is pleased to announce our all new TR-5a series 5.3/5.8 GHz products. These are integrated fully functioning radios. That means these units can be configured as an *Access Point*, a *Point to Point* bridge, or a *Client Adapter* (*CPE*).

All New Overall Features:
Dual Ethernet Ports

This allows you to daisy-chain radios at your installation sites (depending on power requirements). Perfect for back to back point to point scenarios. Also great for installing peripheral Power over Ethernet devices like weather monitoring or security cameras.

More Robust Routing Features
Tunneling Protocol Support

Includes support for tunneling protocols such as VPN, PPTP, RSA, etc.

All New Access Point Features:
Wireless Distribution System (WDS)

WDS allows Access Points to be wirelessly connected to each other while also servicing clients.

Wi-Fi Protected Access (WPA)

WPA improves on the security features of WEP. It includes improved data encryption (AES) and user authentication.

WPA and WEP LEDs

Outside LEDs allow you to easily see if WEP or WPA is activated on your Access Point.

All New Client Adapter (CPE) Features:
Alignment LEDs

Now you can align your client and point to point installations without having to log into the radio. Get visual signal strength at a glance by using this great new feature.

Controllable High Gain Output

All radios have 13dBm of output. Power can be scaled back for closer installations to avoid noise issues and to meet local regulatory requirements.

Not all channels approved for use in all areas.

Specifications TZTR-5a-21c / TZTR-5a-24c / TZTR-5a-26c / TZTR-5a-29c / TZTR-5a-32c

Features	
Standard	802.11a
Frequency Range	5170 MHz to 5805 MHz
Radio Mode	Access Point / Point to Point / Customer Premise Equipment
Communication Method	Half-Duplex
Transmit Power	+13dBm
Receiver Sensitivity	-73dBm @ 54Mbps, -85dBm @ 6Mbps
Polarization	Horizontal or Vertical

Antennas					
Model	**Type**	**Wind Load (N)**		**Beamwidth**	
		100 mph	125 mph	Horizontal	Vertical
TZTR-5a-21c	21dB Panel (internal)	100	160	8.7°	7.7°
TZTR-5a-24c	24dB Panel (internal)	170	270	8.7°	7.7°
TZTR-5a-26c	26dB Grid (external)	140	230	6°	6°
TZTR-5a-29c	29dB Dish & Radome (external)	340	540	6°	6°
TZTR-5a-32c	32dB Dish & Radome (external)	780	1220	4°	4°

Management	
Remote Configuration	Based on IP Address
Device Management	Windows Utility, Web-Based Management
Protocol Supported	TCP/IP
Security	40 bits and 128 bits WEP encryption, Media Access Control address filter (MAC), WPA
Ethernet Connector	10/100 base T (Water Tight RJ-45)
Operating Temperature	-65°C to +60°C
Warranty	1 Year Depot

Dimensions	
TZTR-5a-24c	16" X 14" (radio only)
TZTR-5a-21c / TZTR-5a-26c / TZTR-5a-29c / TZTR-5a-32c	13" X 10" (radio only)

Power Supply	
Standard	AC Wall Plug Input: 120V 60Hz Output: 18V, 1000mA
Optional	AC Wall Plug Input: 120V 60Hz Output: 24V, 1000mA

Data Rates and Modulations					
Data rate (Mbps)	Modulation	Coding Rate	Coded bits per subcarrier	Code bits per OFDM symbol	Data bits per OFDM symbol
6	BPSK	1/2	1	48	24
9	BPSK	3/4	1	48	36
12	QPSK	1/2	2	96	48
18	QPSK	3/4	2	96	72
24	16-QAM	1/2	4	192	96
36	16-QAM	3/4	4	192	144
48	16-QAM	2/3	6	288	192
54	64-QAM	3/4	6	288	216

Specifications are subject to change without notice.